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Docket No.: SVL920030055US1

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DEC 08 2004**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Inventor:	Satoshi Hada	Assignee:	International Business Machines Corporation
Application No.:	10/651,691	Customer No.:	24852
Confirmation No.:	2171	Group Art Unit:	2171
Filing Date:	08/29/2003	Examiner:	Unknown
Title	Method and system for providing path-level access control for structured documents stored in a database.		

CERTIFICATE UNDER 37 C.F.R. §3.73(b)

INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under the laws of the State of New York, having a place of business at New Orchard Road, Armonk, New York 10504, certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of:

An assignment from the inventors, Satoshi Hada, Michiharu Kudo, Naishin Seki, Akihiko Tozawa, Robbert C. Van der Linden, to International Business Machines Corporation, of the patent application identified above. The assignment was recorded in the U.S. Patent and Trademark office on August 29, 2003, at Reel/Frame 014457/0947 **(copy attached)**.

INTERNATIONAL BUSINESS MACHINES CORPORATION owns 100% interest in the above-identified patent application.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, as the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: 12/7/04 By: *I. Foerster*

Ingrid Foerster, Reg.No. 36,511
Senior Attorney, Intellectual Property Law
International Business Machines Corporation
555 Bailey Ave., J46/G4
San Jose, CA 95141-1003



UNITED STATES PATENT AND TRADEMARK OFFICE JAT IBM(st) 2866P

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 30, 2004

PTAS



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SAWYER LAW GROUP LLP
JOSEPH A. SAWYER, JR.
P.O. BOX 51418
PALO ALTO, CALIFORNIA 94303UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/29/2003

REEL/FRAME: 014457/0947

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HADA, SATOSHI

DOC DATE: 08/18/2003

ASSIGNOR:

KUDO, MICHIHARU

DOC DATE: 08/18/2003

ASSIGNOR:

SEKI, NAISHIN

DOC DATE: 08/18/2003

ASSIGNOR:

TOZAWA, AKIHIKO

DOC DATE: 08/18/2003

ASSIGNOR:

VAN DER LINDEN, ROBERT C.

DOC DATE: 08/15/2003

014457/0947 PAGE 2

ASSIGNEE:

IBM CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 10651691
PATENT NUMBER:

FILING DATE: 08/29/2003
ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Journey Docket: SVL920030055US1/2866P

RECORDATION FORM COVER SHEET
PATENTS ONLY

09-10-2003

US Department of Commerce
Patent & Trademark Office

To the Assistant Commissioner of Patents: +

102545398

:s or copy thereof.

1. Name of conveying party(ies): (in counterpart)

(1) Satoshi HADA
(2) Michiharu KUDO
(3) Naishin SEKI
(4) Akihiko TOZAWA
(5) Robbert C. VAN der LINDEN

Additional name(s) of conveying
party(ies) attached ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: IBM Corporation
Street Address: New Orchard Road
City: Armonk State: NY ZIP: 10504

Additional name(s) & address(es) attached?
☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: (1) August 18, 2003

(2) Same
(3) Same
(4) Same
(5) August 15, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new patent application, the execution date of the patent application is: August 18, 2003, Same, Same, Same, and August 15, 2003.

A. Patent Application No.(s)

10/651691

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: Joseph A. Sawyer, Jr.
Internal
Address: Sawyer Law Group LLP
Street
Address: P.O. Box 51418
Palo Alto, California 94303

09/09/2003 BYRME 00000012 090460 10631691

01 FC:0021 40.00 DA

6. Total Number of applications and patents
involved: One

7. Total fee (37 CFR 3.41) \$ 40.00
☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit Account Number: 09-0460 (IBM Corporation)
(Attach copy of this page)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is
a true copy of the original document.

August 29, 2003
Date

Joseph A. Sawyer, Jr., Reg. No. 36,801

Total number of pages including cover sheet, attachments, and documents: 5

ASSIGNMENT

Whereas, I,

- | | | |
|-----|---------------------------|--|
| (1) | Satoshi HADA | City of Tokyo
Country of Japan. |
| (2) | Michiharu KUDO | City of Kanagawa-ken
Country of Japan. |
| (3) | Nalshin SEKI | City of Kanagawa-ken
Country of Japan. |
| (4) | Akihiko TOZAWA | City of Tokyo
Country of Japan. |
| (5) | Robbert C. VAN der LINDEN | City of Scotts Valley,
State of California. |

has invented certain improvements in

**TITLE METHOD AND SYSTEM FOR PROVIDING PATH-LEVEL ACCESS CONTROL
FOR STRUCTURED DOCUMENTS STORED IN A DATABASE**

and executed a United States Patent Application therefor on the following date(s):

- (1) Aug. 15, 2003
(2) Aug. 18, 2003
(3) Aug. 18, 2003
(4) Aug. 18, 2003
(5) _____, 2003

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor,

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

	LOCATION	DATE	SIGNATURE
(1)	<u>Tokyo-to, Japan</u>	<u>Aug. 18, 2003</u>	<u>Satoshi Hada</u> Satoshi HADA
(2)	<u>Kanagawa-ken Japan</u>	<u>Aug 18, 2003</u>	<u>Michiharu Kudo</u> Michiharu KUDO
(3)	<u>Kanagawa-ken, Japan</u>	<u>Aug 18, 2003</u>	<u>Nalshin Seki</u> Nalshin SEKI
(4)	<u>Tokyo-to, Japan</u>	<u>Aug. 18, 2003</u>	<u>Akihiko Tozawa</u> Akihiko TOZAWA
(5)	_____	_____	Robbert C. VAN der LINDEN

ASSIGNMENT

Whereas, I,

- | | | |
|-----|---------------------------|--|
| (1) | Satoshi HADA | City of Tokyo
Country of Japan, |
| (2) | Michiharu KUDO | City of Kanagawa-ken
Country of Japan, |
| (3) | Naishin SEKI | City of Kanagawa-ken
Country of Japan, |
| (4) | Akihiko TOZAWA | City of Tokyo
Country of Japan, |
| (5) | Robbert C. VAN der LINDEN | City of Scotts Valley,
State of California, |

has invented certain improvements in

**TITLE METHOD AND SYSTEM FOR PROVIDING PATH-LEVEL ACCESS CONTROL
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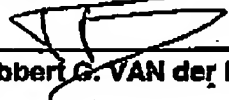
and executed a United States Patent Application therefor on the following date(s):

- (1) _____, 2003
(2) _____, 2003
(3) _____, 2003
(4) _____, 2003
(5) 8-15, 2003

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

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(1)	_____	_____	_____
			Satoshi HADA
(2)	_____	_____	_____
			Michiharu KUDO
(3)	_____	_____	_____
			Nalshln SEKI
(4)	_____	_____	_____
			Akihiko TOZAWA
(5)	<u>San Jose</u>	<u>8-15-03</u>	<u></u>
			Robert G. VAN der LINDEN